

EURAD-2 Focus Funnel

Larnaca, Cyprus

16/03/2023

EURAD-2 Focus Funnel

The Core Group



COORDINATOR	Louise Théodon (ANDRA – France)
Waste Management Organisations - WMO COLLEGE - via IGD-TP	Ingo Blechschmidt (NAGRA – Switzerland) Astrid Göbel (BGE – Germany)
Research Entities - RE COLLEGE - via EURAD-Science network; which also includes supply chains and companies	Christophe Bruggeman (SCK CEN – Belgium) Lara Duro (AMPHOS 21 – Spain)
Technical Safety Organizations - TSO COLLEGE - via SITEX.Network; which also includes civil society and regulator views	Erika Holt (VTT – Finland) Nadja Železnik (EIMV – Slovenia)

Agenda

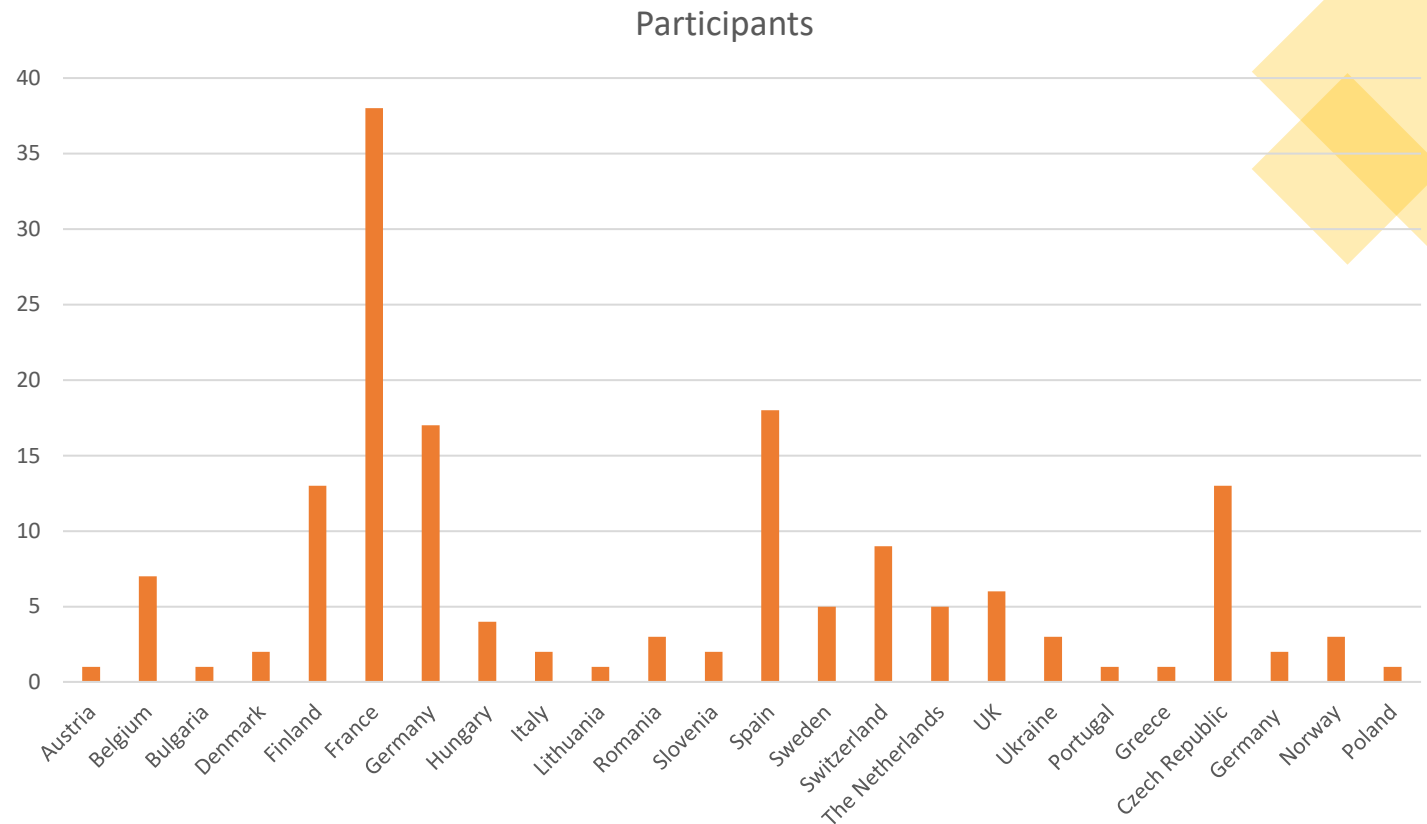
- **16.30-16.40 Introduction and objectives of the meeting**
- **16.40-16.50 EC Introduction**
- **16.50-17.05 Knowledge Management work packages (WP)**
- **17.05-17.20 Detailed timeline for WP Preparation**
- **17.20-17.35 Process of WPs: from Colleges to Core Group merging**
- **17.35-17.50 Suggested Synergy & Grouping of WP ideas**
- **17.50-18.00 Process for Friday pitching sessions**
- **18.00 Socializing cocktail reception**

Agenda for tomorrow

- **08.30-11.00 Pitching and debating WPs – part one**
- **11.00-11.30 Coffee break & live feedback**
- **11.30-14.00 Pitching and debating WPs – part two**

Introduction

- **158 participants registered from 24 countries**
- **Second public meeting organised by EURAD-2 Core Group**
 - Webinar 19 January : slides available on [EURAD](#) and [PREDIS](#) webpages
 - Planned webinar : 11 July afternoon ([registration open](#))
- **[FAQ](#) (updated regularly based on received questions)**



Objectives of the meeting – 1/2

- **Share latest progress of Core Group**
- **First exchange on the proposals submitted by the Colleges**
 - To help build contacts, get connected
 - To define route forward for refinement of WP description (Template #2)
 - To discuss WP drivers and priorities
 - To understand what is the need, benefit, impact on the topics to take forward
 - To gather information and arguments to further develop the WPs by identifying synergies
- **Priority of Focus Funnel is on R&D and StSt workpackage development**

Objectives of the meeting – 2/2

- **The goal of the meeting is not to**
 - Discuss technical scope of KM
 - Define the WP in detail
 - Build a consortium
 - Define the task/subtask structure, experiments,
 - Identify who is doing what / Define budgets
 - Pick WP leaders
 - Define the final list of WPs

EURAD-2 scope

- All types of disposal (RWM activities from cradle to grave – except decommissioning) and full range of radioactive waste (from VLLW to HLW)
- Based on the same documents : EURAD [Vision](#), [Roadmap](#) and [updated SRA](#)
- Same objectives and type of activities:
 - Develop, maintain and consolidate the scientific and technical basis of radioactive waste management ⇒ **R&D WPs**
 - Address important & complex issues and enable expert networking ⇒ **Strategic Studies WPs**
 - Enhance KM and transfer between organisations, MS and generations ⇒ **KM WPs**

Participation rules – 1/2

- All partners will need to be part of a College (RE, TSO, WMO)
 - **Mandated Actor** by the Ministries
 - Template to request mandate will be provided by the Core Group once the call is published
 - **Affiliated Entity** (new term for Linked Third Party)
 - Legal links to be an affiliated entity must be pre-existing and must last longer than the duration of EURAD-2 and have a larger scope
- **Associated Partners:** participating at their own costs – No EC funding
 - UK and Swiss partners
 - International partners
- EURAD-2 will be a flexible and inclusive programme, it is anticipated that only part of the budget will be allocated at the start of the programme (**2 waves principle**) – the remaining will be provisioned under coordinator's budget
 - 1st wave of WPs launched at the start of the programme (defined by Summer 2023)
 - 2nd wave of WPs launched during the course of the programme (defined in 2025-2026)

Participation rules – 2/2

- Partners need to embrace **EURAD Vision and principles**
 - Positive participation, maintenance of independence, transparent governance, scientific excellence, balanced programme, added value, inclusiveness, equitable financing, complementary participation and tangible results
- EURAD-2 will be a **co-funded partnership**
 - Commitment to provide the co-financing. Each partner must be able to bear the costs that are not funded by the EC
 - Co-financing will vary depending on the type of activity
 - Partners will actively participating to the work (different from end users)

Key terminology

- **Colleges** : refers to platforms that gather a number of organisations depending on their role in radioactive waste management, i.e EURADSCIENCE (for Research Entities), SITEX.Network (for Technical Safety Organisations) and IGD-TP (for Waste Management Organisations)
- **WP Preparation Teams**: refers to a group of 3 persons (one per College) who will be the main contacts for the development of each EURAD-2 workpackages. This will be defined in April via the Colleges. They are not necessarily the future WP leaders.

EC introduction

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Knowledge Management Work Packages

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Establishment of a KM Committee

- Priority of Focus Funnel is on R&D and StSt workpackage development
- EURAD-2 Knowledge Management Committee = KMC will be established
 - Any ideas regarding KM issues that have already been submitted will be transferred to KMC
- Role and boundaries:
 - Discuss with the Colleges the expectations how the KM activities should be established (priorities / type of activities)
 - Provide recommendations to Core Group, which then reports to Colleges for decision / approval
 - Members do not represent their institute or country
 - KMC is not a prefiguration of KM WP leaders – members will not necessarily have leadership role / commitment in EURAD-2 implementation (similar to Core Group)

Knowledge Management WPs

- EURAD-2 proposals for KM will describe the type of actions, not the technical topics/content on KM.
- It is additionally foreseen that each R&D and StSt WPs will have a KM task. This will be prescribed by the Knowledge Management Committee and Core Group.
- Individual institutes do not need to take action on KM at this stage.
- It is anticipated that approximately xx % will be dedicated to KM WPs

Description of the KMC

- Further guidance for the KMC operations and expectations will be provided by early May 2023
- One moderator : Paul Carbol (JRC, Germany) will feed the KMC with his experience in EURAD and PREDIS
- Named members by the Colleges :
 - RE: Gunnar Buckau (KIT-PTKA, Germany), supported by Alba Valls (Amphos21, Spain) and Niels Belmans (SCK CEN, Belgium)
 - TSO: Jitka Miksova (SURO, Czech Republic)
 - WMO: Alexandru Tatomir (BGE, Germany), supported by Anders Sjöland (SKB, Sweden)



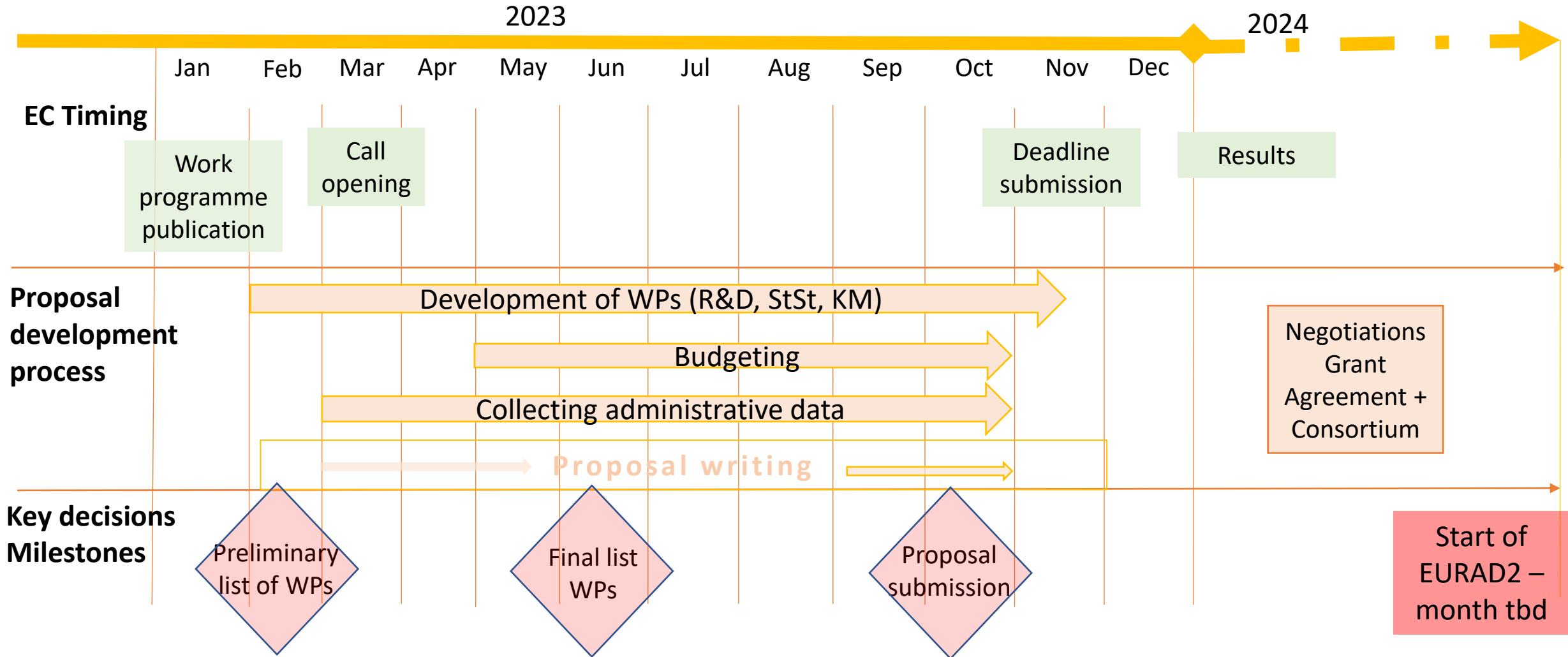
Detailed timeline for WP preparation

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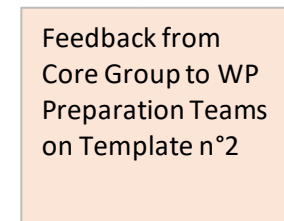
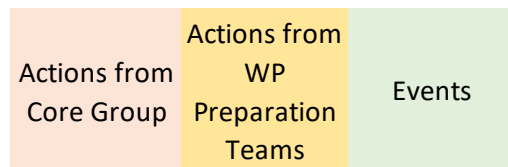
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General timeline



General timeline

	2022	2023									
	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct
Development of first ideas	Publication Template n°1		Template n°1 to Colleges (2 pages max)	FF event - pitch ideas							
Consolidation of ideas into WPs					Publication Template n°2	Template n°2 to Core Group (5 pages)	Updated Template n°2 to Colleges	EURAD-2 Public webinar n°2			
Development of WPs								Final list of WPs Publication Template n°3		Template n°3 to Core Group	Submission of the proposal



Detailed timeline

Next week

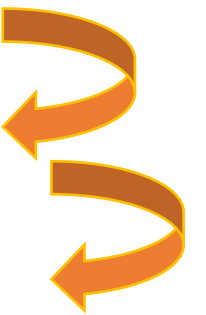
- Following FF, Core Group assembles comments and inputs from different Colleges on the different proposals.
- Based on feedback, Core Group communication to Colleges about WP grouping proposal and guidance for WP Preparation Teams definition

Mid-April

- Colleges share feedback on the proposed grouping suggestion
- Colleges share nominated organisations and persons to be in the WP Preparation Teams
- Core Group issue the Template #2

Mid-May

- WP Preparation Teams send completed Template #2 to Core Group for general checking
- Core Group send feedback to WP Preparation Teams (3 open days after reception of Template #2)



Detailed timeline

Mid-June

- WP Preparation Teams send updated Template #2 to Colleges

Early July

- Colleges share feedback to Core Group on Template #2 with their new prioritization

15 July

- Colleges issue final list of WPs and Core Group issue Template #3

End of September

- WP Preparation Teams send completed Template #3 to Core Group



Process of WPs: from Colleges to Core Group merging

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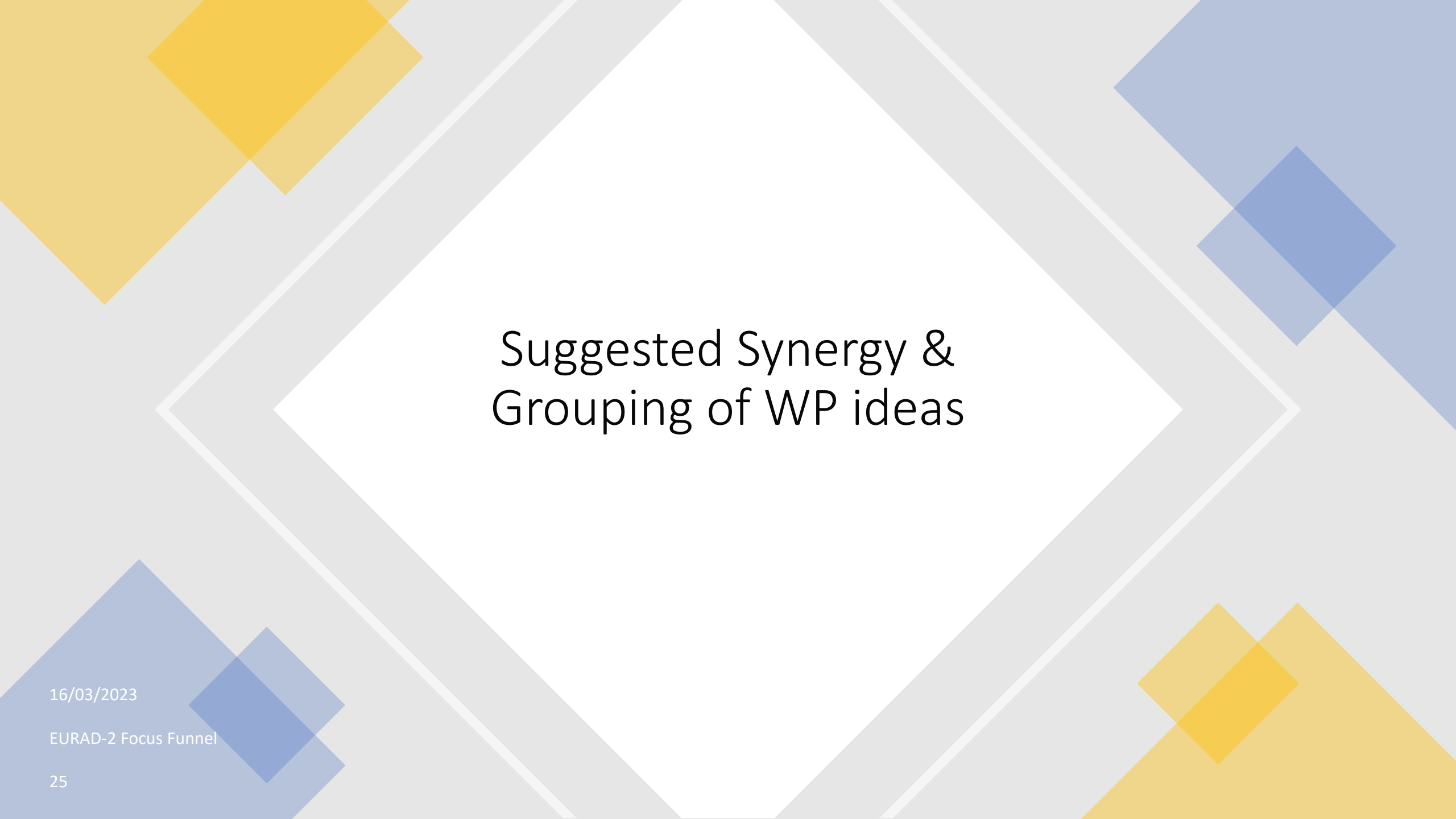
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Description of the process

- Core Group issued Template #1 in December 2022 and made a presentation on how to complete it during the Webinar #1 (January 2023)
- Colleges were asked to forward by the end of February their 15 top priorities
- Each College defined a deadline for submitting the Templates #1
- By end of February, each College forwarded to Core Group the selected proposals

Outcomes of the process

- Lots of discussions between the Colleges
 - Not explicitly asked for but this is good sign of collaboration
- No proposals rejected at this stage
 - 22 proposals from the Research Entities College
 - 19 proposals from the Waste Management Organisations College
 - 14 proposals from the Technical Safety Organisations College



Suggested Synergy & Grouping of WP ideas

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EURAD Roadmap Themes

1. National Programme Management



2. Pre-disposal



3. Engineered Barrier System



4. Geoscience



5. Disposal facility design and optimisation



6. Siting and Licensing



7. Safety Case




Step by step approach

- Identification of common proposals
 - Review of all proposals per Theme to search for potential synergies
 - No WPs were submitted in Theme 6 (Siting and Licensing)
- Identification of commonalities between WPs
 - For a balanced agenda some proposals were moved in other Theme – equilibrated spread of WP ideas over the different Themes
- Identification of first institute pitching
 - Linked to the selected drivers and based on Colleges' main competences when some WPs were grouped, as well as on the end-user perspective
 - Balance between the three Colleges
 - Availability of the speakers
 - Choice and order of the speakers is not reflecting the WP leadership

Breakdown per Theme

Theme	Before grouping	After grouping for the FF	Grouping after FF
1 – Programme Management	7	6	?
2 – Predisposal	9	6	?
3 – EBS	22	11	?
4 – Geosciences	4	3	?
5 – Design optimisation	8	7	?
7 – Safety Case	4	3	?
Total	54	36	About 25



Process for Friday pitching sessions

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Process for Friday pitching sessions

- 5 rooms running in parallel – 1 moderator per room + 1 rapporteur (see next slides)
- Possibility to change from one room to the other but exact timing will be maintained
- Timing for discussion might not allow everyone to express themselves, possibility to provide feedback on post-its
- Report for each session will be available after the event
 - To be used by the Core Group, Colleges and WP Preparation Teams

Guidelines



1 first pitch by a selected College – based on the named persons on the WP template submitted by the Colleges



2 other Colleges have the possibility to complement this pitch for 5 min each



15 min discussion with the audience



Additional feedback possible with post-its

15 min max of pitch from all 3 Colleges

Moderator will be strict to cut people off to allow everyone to comment

Live feedback – post its

- Fill in a post-it even if you provided feedback orally
 - Feedback is indicative – no commitment to answer / take into consideration
 - Add the number of the related WP, the name of your organisation and College
-
- Examples of comments:
 - I like this idea because
 - This WP should include focus on
 - This idea was/ is already done by

Reminder of rooms for tomorrow

- Start at 08.30 am
 - **Theme 3** (part 1 and 2) - **Les Etoiles Hall** – - Moderator: Lara Duro / Rapporteur : Ursula Alonso
- Start at 09.30 am
 - **Theme 1** (part 1 and 2)- **Venus Conference Room** – Moderator : Christophe Bruggeman / Rapporteur: Nadja Zeleznik
 - **Theme 2** (part 1 and 2) - **Minerva Conference Room** – Moderator: Erika Holt / Rapporteur Kahina Hamadache
 - **Theme 4 and Theme 7** - **Chloe Conference Room** – Moderator: Astrid Göbel / Rapporteur : Milena Schönhofer-Romen
 - **Theme 5** (part 1 and 2) - **Diana Conference Room** – Moderator: Ingo Blechschmidt / Rapporteur: Alexandros Papafotiou

Conclusion and next steps

- These slides will be available next week on EURAD and PREDIS websites
- Core Group will refine grouping and merge proposals after FF for a new proposal to Colleges and send guidance for WP Preparation Teams definition
- In April, Colleges will nominate WP Preparation Teams (1 person per College / WP)
- Issue of Template #2 in April – max 5 pages with more detailed information on tasks / budget ...
- Stay tuned:
 - Next public meeting : July 11th, 2023 ([registration open](#) – check EURAD and PREDIS webpages)



Thank you for your attention

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Who to contact ?

	EURAD-1 College Leadership	EURAD-2 Core Group Members
Coordinator		Louise Théodon (ANDRA – France), louise.theodon@andra.fr
Waste Management Organisations, WMO college - via IGD-TP	secretariat@igdtp.eu Johanna Hansen (General Secretary) Johanna.Hansen@Posiva.fi	Ingo Blechschmidt (NAGRA – Switzerland), ingo.blechschmidt@nagra.ch Astrid Göbel (BGE – Germany), Astrid.Goebel@bge.de
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Technical Safety Organizations, TSO college - via SITEX.Network; which also includes civil society and regulator views	Valéry Detilleux valery.detilleux@belv.be	Erika Holt (VTT – Finland), erika.holt@vtt.fi Nadja Železnik (EIMV – Slovenia), Nadja.Zeleznik@eimv.si